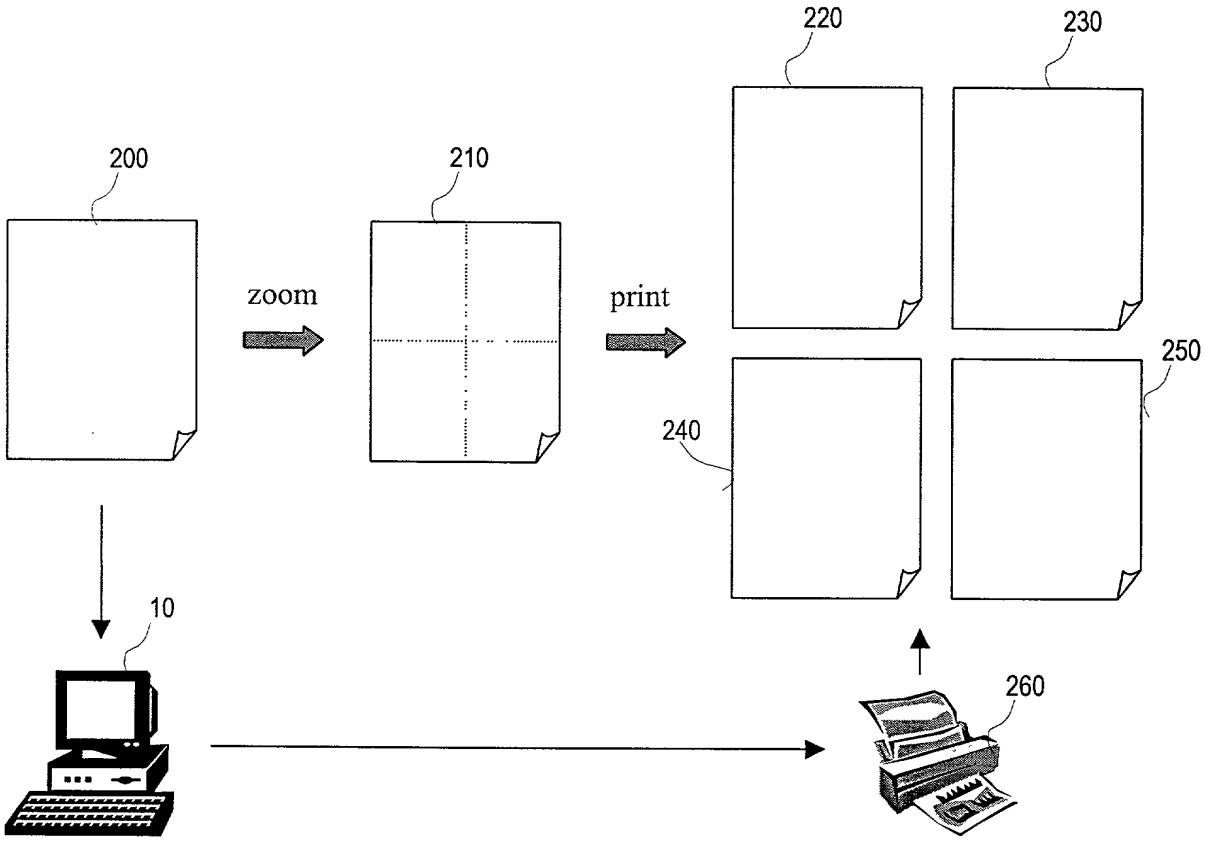
Figure 1



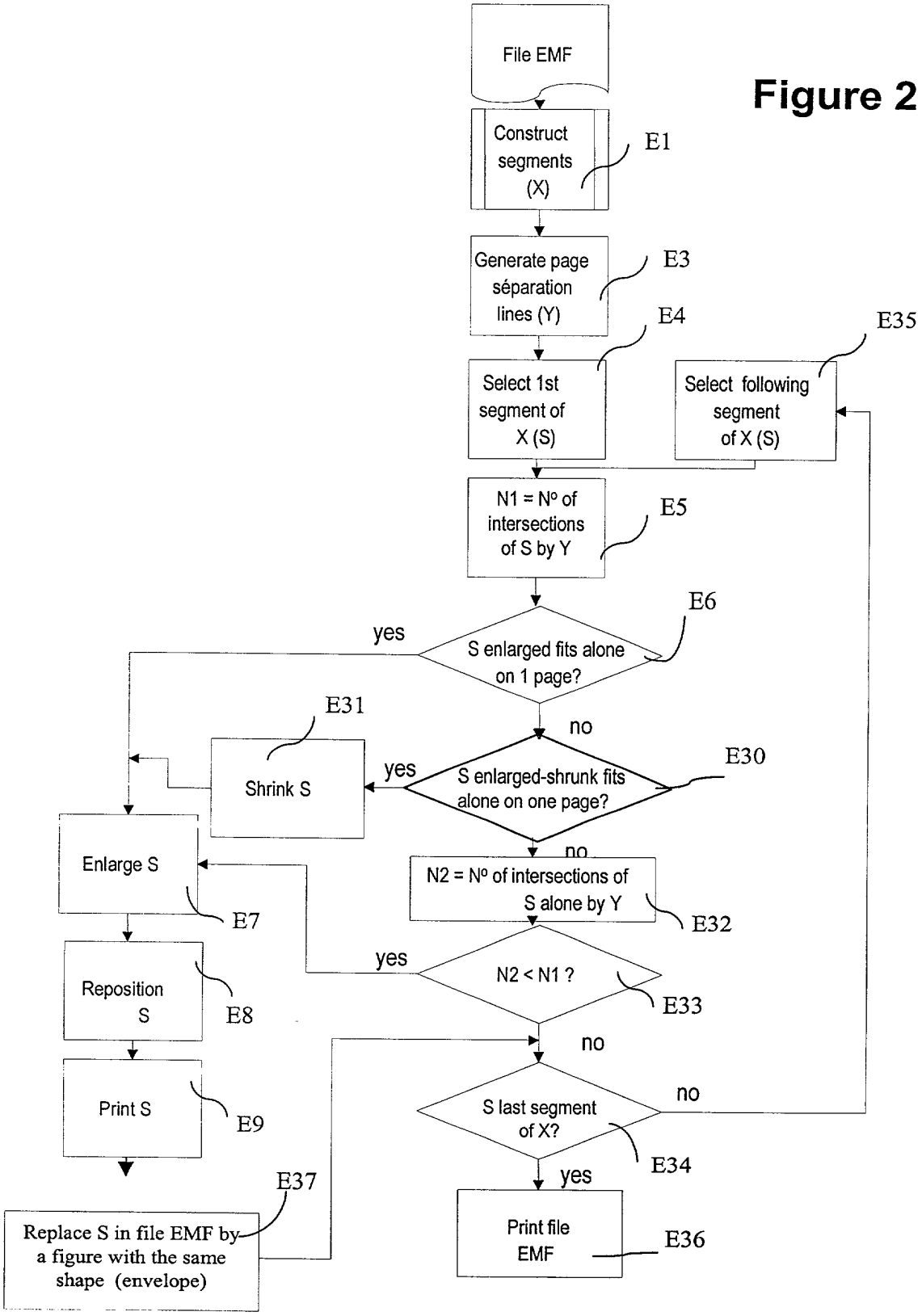

File EMF
Construct segments (X)
E1
Generate page séparation lines (Y)
E3
Select 1st segment of X (S)
E4
Select following segment of X (S)
E35
N1 = N° of intersections of S by Y
E5
S enlarged fits alone on 1 page?
E6
yes
no
Shrink S
E31
yes
S enlarged-shrunk fits alone on one page?
E30
Enlarge S
E7
no
N2 = N° of intersections of S alone by Y
E32
Reposition S
E8
yes
N2 < N1 ?
E33
Print S
E9
no
S last segment of X?
E34
no
yes
Replace S in file EMF by a figure with the same shape (envelope)
E37
Print file EMF
E36

Figure 2

Figure 3

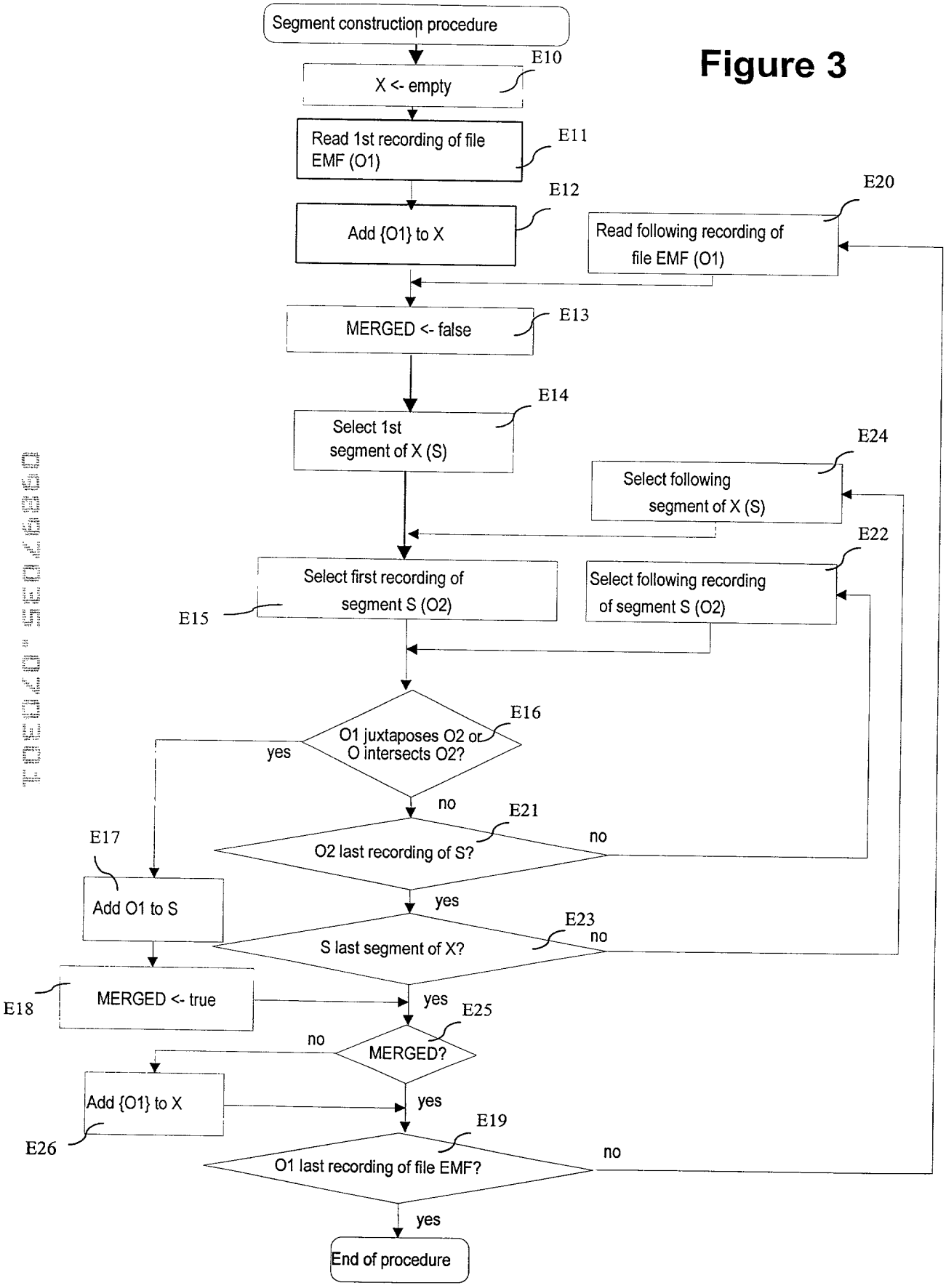
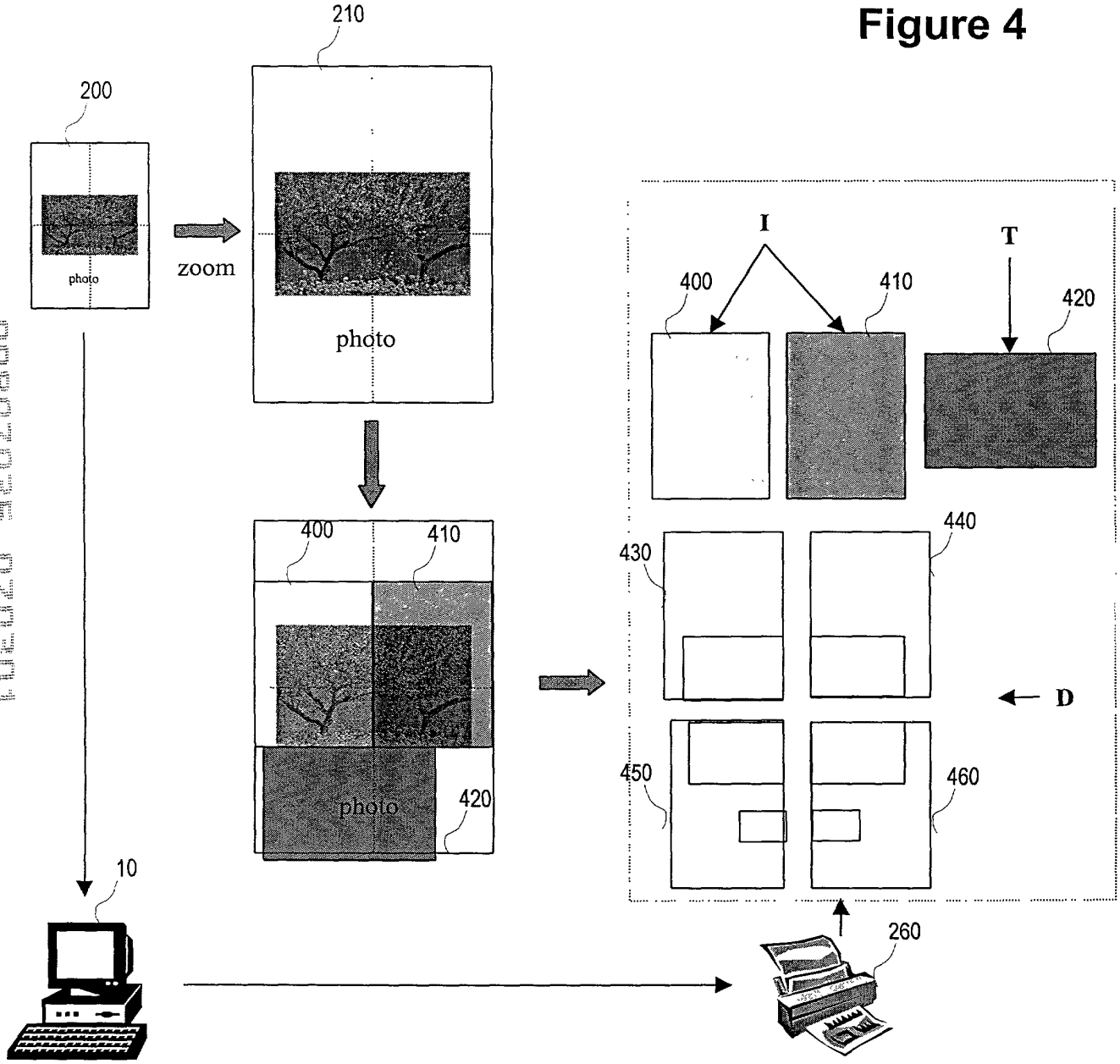

Segment construction procedure
E10
X <- empty
Read 1st recording of file EMF (O1)
E11
E12
Add {O1} to X
E20
Read following recording of file EMF (O1)
MERGED <- false
E13
E14
Select 1st segment of X (S)
E24
Select following segment of X (S)
E22
Select first recording of segment S (O2)
E15
Select following recording of segment S (O2)
E16
O1 juxtaposes O2 or O intersects O2?
yes
no
E21
O2 last recording of S?
no
E17
yes
Add O1 to S
E23
S last segment of X?
no
E18
MERGED <- true
yes
E25
MERGED?
no
Add {O1} to X
yes
E26
E19
O1 last recording of file EMF?
no
yes
End of procedure

Figure 4


200
210
zoom
photo
photo
400
410
420
photo
10
I
T
400
410
420
440
430
D
450
460
260

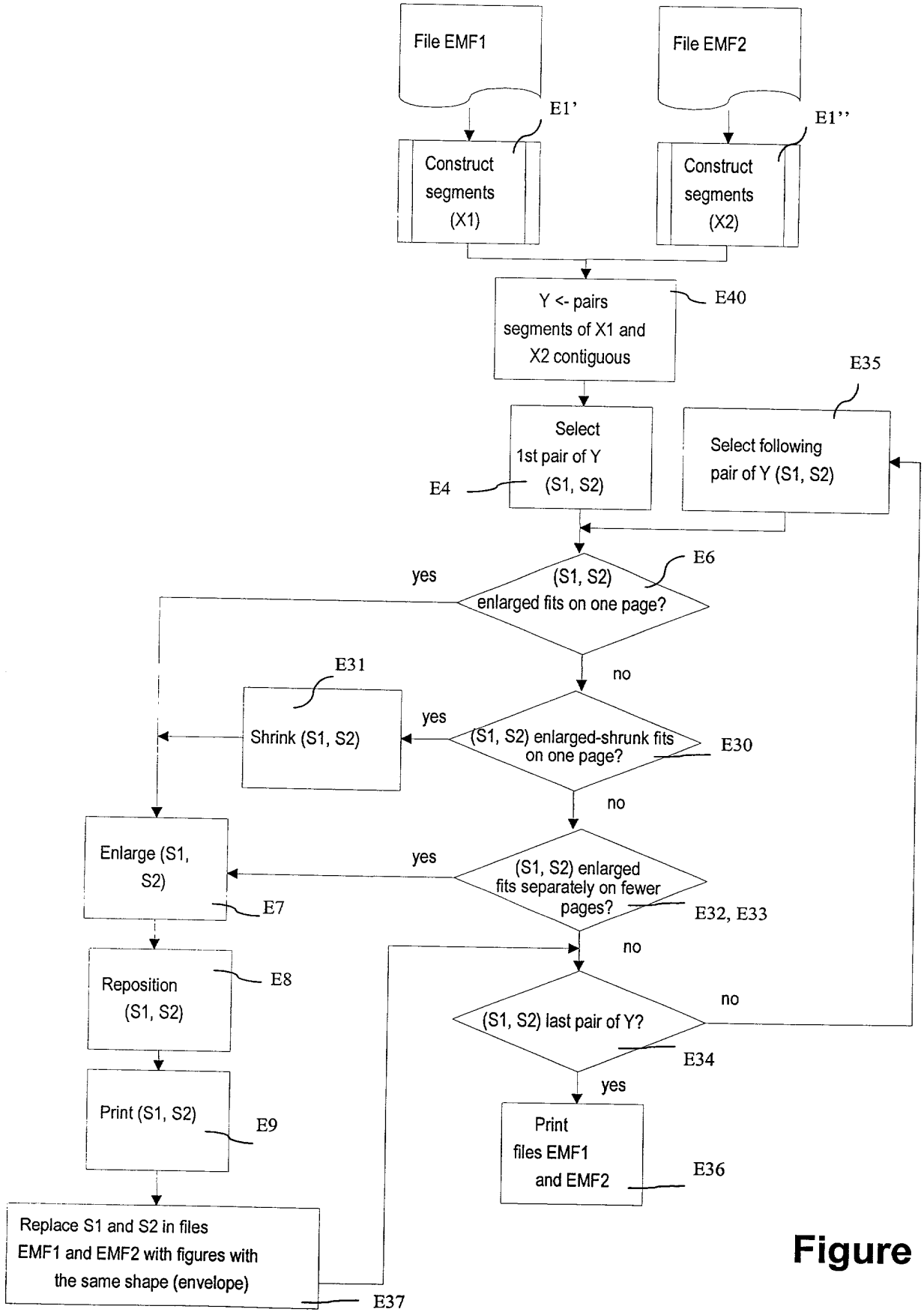

File EMF1
File EMF2
E1'
E1''
Construct segments (X1)
Construct segments (X2)
Y <- pairs segments of X1 and X2 contiguous
E40
E35
Select 1st pair of Y (S1, S2)
E4
Select following pair of Y (S1, S2)
(S1, S2) enlarged fits on one page?
E6
yes
no
E31
Shrink (S1, S2)
yes
(S1, S2) enlarged-shrunk fits on one page?
E30
no
Enlarge (S1, S2)
E7
yes
(S1, S2) enlarged fits separately on fewer pages?
E32, E33
no
Reposition (S1, S2)
E8
(S1, S2) last pair of Y?
no
E34
yes
Print (S1, S2)
E9
Print files EMF1 and EMF2
E36
Replace S1 and S2 in files EMF1 and EMF2 with figures with the same shape (envelope)
E37

Figure 5

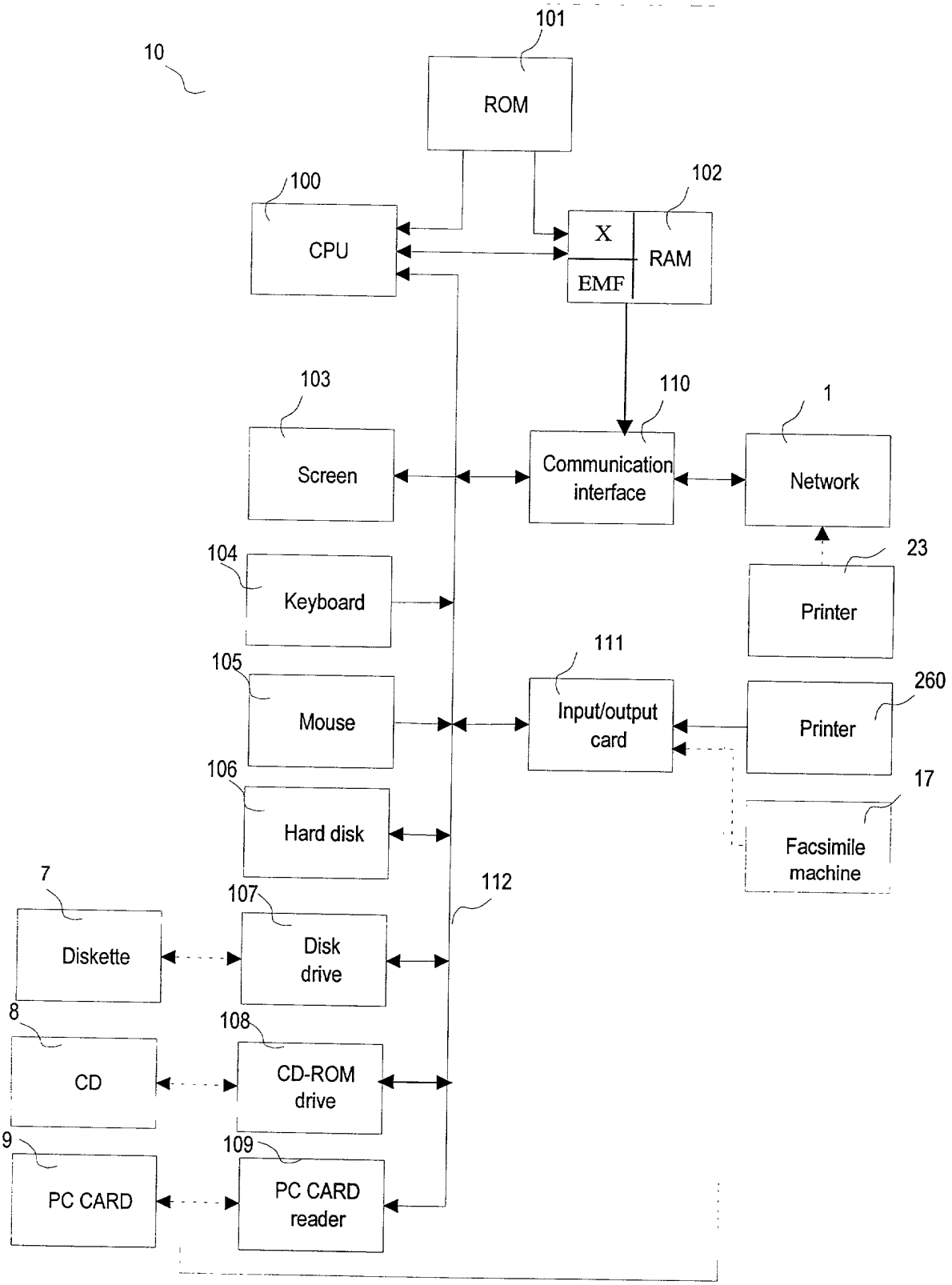

10
101
ROM
100
CPU
102
X
EMF
RAM
103
Screen
110
Communication interface
1
Network
104
Keyboard
23
Printer
105
Mouse
111
Input/output card
260
Printer
106
Hard disk
17
Facsimile machine
7
Diskette
107
Disk drive
112
8
CD
108
CD-ROM drive
9
PC CARD
109
PC CARD reader

Figure 6